

AZD4635

Chemical Properties

CAS No. : 1321514-06-0

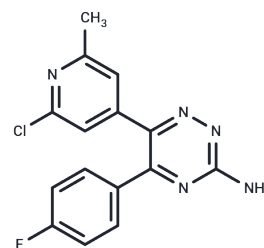
Formula: C₁₅H₁₁ClFN₅

Molecular Weight: 315.73

Storage: Store at low temperature, Keep away from direct sunlight

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	AZD4635 (HTL1071) is a new-type adenosine 2A receptor (A2AR) inhibitor (K _i =1.7 nM).
Targets(IC ₅₀)	Adenosine Receptor

Solubility Information

Solubility	DMSO: 83.3 mg/mL (263.83 mM), Sonication is recommended. H ₂ O: < 0.1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (10.45 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1673 mL	15.8363 mL	31.6726 mL
5 mM	0.6335 mL	3.1673 mL	6.3345 mL
10 mM	0.3167 mL	1.5836 mL	3.1673 mL
50 mM	0.0633 mL	0.3167 mL	0.6335 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Alexandra Borodovsky, et al. Abstract 5580: PreClinicalal pharmacodynamics and antitumor activity of AZD4635, a novel adenosine 2A receptor inhibitor that reverses adenosine mediated T cell suppression. AACR; Cancer Res 2017;77(13 Suppl):Abstract nr 5580.

Kang G, Zhao X, Sun J, et al. A2AR limits IL-15-induced generation of CD39+ NK cells with high cytotoxicity. International Immunopharmacology.2023, 114: 109567.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481